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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	NEW
				Filing Date	24 March 2004
				First Named Inventor	Ratnam, Rama
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
Sheet	1	of	1	Attorney Docket No.	22010-202

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		U.S. 2003/0103561	06-05-2003	Rickard et al.	
		U.S. 6,279,379	08-28-2001	Logue et al.	
		U.S. 4,590,591	05-20-1986	Leroy et al.	
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		U.S. 6,243,322	06-05-2001	Zakarauskas	
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		U.S. 2003/0014248	01-16-2003	Vetter	
		U.S. 2003/0112983	06-19-2003	Rosca et al.	
		U.S. 6,130,949	10-10-2000	Aoki et al.	
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		U.S. 5,729,612	03-17-1998	Abel et al.	
		U.S. 5,818,945	10-06-1998	Makino et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 02/090902 A2	11-14-2002	Christensen, et al.		

Examiner Signature		Date Considered	
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		<i>Complete if Known</i>			
		Application Number	NEW		
		Filing Date	24 March 2004		
		First Named Inventor	Ratnam, Rama		
		Group Art Unit	UNKNOWN		
		Examiner Name	UNKNOWN		
Sheet	2	of	2	Attorney Docket Number	22010-202

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
		AZIMI-SADJADI, M.R., et al. A New Time Delay Estimation in Subbands for Resolving Multiple Specular Reflections, IEEE Transactions on Signal Processing, December 1998, pp. 3398-403, Vol. 46, No. 12.	
		BENESTY, J. Adaptive eigenvalue decomposition algorithm for passive acoustic source localization, J. Acoust. Soc. Amer., January 2000, pp. 384-91, Vol. 107, No. 1.	
		BRANDSTEIN, M.S. Time-delay estimation of reverberated speech exploiting harmonic structure, J. Acoust. Soc. Amer., May 1999, pp. 2914-19, Vol. 105, No. 5.	
		CHARLESTON, S., et al. Interference Cancellation in Respiratory Sounds via a Multiresolution Joint Time-Delay and Signal-Estimation Scheme, IEEE Transactions on Signal Processing, October 1997, pp. 1006-19, Vol. 44, No. 10.	
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		DALENBACK, Ph.D., Bengt-Inge. Reverberation time, diffuse reflection, Sabine, and computerized prediction – part I and part II, Website publication, at least as early as October 2003.	
		GUNEL, B. Room Shape and Size Estimation Using Directional Impulse Response Measurements, School of Computer Science, Queen's University Belfast, UK, at least as early as October 2003.	
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		HUANG, Y. and BENESTY, J. A Class of Frequency-Domain Adaptive Approaches to Blind Multichannel Identification, January 2003, pp. 11-24, Vol. 51, No. 1.	
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		KIRKPATRICK, S., et al. Optimization by Simulated Annealing, Science, May 1983, pp. 671-80, Vol. 220, No. 4598.	
		KOTROPOULOS, C. and PITAS, I. Adaptive LMS L-filters for noise suppression in images, University of Thessaloniki, Greece, 1996.	
		RATNAM, R., et al. Blind estimation of reverberation time, J. Acoust. Soc. Amer., November 2003, pp. 2877-92, Vol. 114, No. 5.	
		TANG, K.S., et al. Genetic Algorithms and their Applications, IEEE Transactions on Signal Processing, November 1996, pp. 22-37.	

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